

WEST Search History

DATE: Thursday, April 03, 2003

Set Name Query side by side

Hit Count Set Name result set

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L21	L18 and ((common or similar or "same") with pattern)	0	L21
L20	L18 and ((common or similar or "same") adj pattern)	0	L20
L19	L18	0	L19

DB=JPAB,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L18	((cobrows\$ or "co-brows" or collaborat\$) with (internet or www or web or online)) and @pd<=19990601	17	L18
L17	6 and ((cobrows\$ or "co-brows" or collaborat\$) with (internet or www or web or online)) and @pd<=19990601	3	L17

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L16	L15 and ((cobrows\$ or "co-brows" or collaborat\$) with (internet or www or web or online))	7	L16
L15	6536037.pn. or 6519571.pn. or 6473794.pn. or 6401085.pn. or 6292830.pn. or 6195651.pn. or 5909589.pn.	7	L15
L14	L13 and ((common or similar or "same") adj pattern)	7	L14
L13	l6 and ((cobrows\$ or "co-brows" or collaborat\$) with (internet or www or web or online))	27	L13
L12	l8 not L11	19	L12
L11	L10 and (cobrows\$ or "co-brows" or collaborat\$)	2	L11
L10	6134548.pn. or 6356905.pn.	2	L10
L9	L8 and ((705/26 705/27)!.CCLS.)	2	L9
L8	L7 and (identif\$ with pattern)	21	L8
L7	L6 and ((common or similar or "same") adj pattern)	21	L7
L6	(cobrows\$ or "co-brows" or collaborat\$) and brows\$ and ((identif\$ or determin\$ or decid\$ or select\$ or choos\$) with pattern) and (Internet or online or www or web) and @ad<=19990601	112	L6
L5	L1 and ((identif\$ or determin\$ or decid\$ or select\$ or choos\$) with pattern)	1	L5
L4	L1 and (cobrows\$ or "co-brows" or collaborat\$) and brows\$	1	L4
L3	L1 and (cobrows\$ or "co-brows" or collaborat\$)	1	L3
L2	L1 and brows\$	2	L2
L1	5901287.pn. or 5974446.pn.	2	L1

END OF SEARCH HISTORY



Generate Collection

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L16: Entry 1 of 7

File: USPT

Mar 18, 2003

US-PAT-NO: 6536037

DOCUMENT-IDENTIFIER: US 6536037 B1

TITLE: Identification of redundancies and omissions among components of a web based architecture

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Guheen; Michael F	Tiburon	CA		
Mitchell; James D.	Manhattan Beach	CA		
Barrese; James J.	San Jose	CA		

US-CL-CURRENT: 717/151; 703/2, 709/231

ABSTRACT:

A system, method and article of manufacture are provided for conveying redundancies and omissions among components of a network framework such as a web architecture framework. First, an area of an existing network framework is determined in which redundancies and omissions exist. Next, a pictorial representation of the existing network framework is presented along with a plurality of its components. The foregoing redundancies and the omissions are then highlighted by indicia coding the components of the existing network that reside in the area. As such, a diagnostic analysis of redundant efforts and gaps in a current implementation of the existing network framework is effectively conveyed.

19 Claims, 177 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 177



Generate Collection

Print

L16: Entry 2 of 7

File: USPT

Feb 11, 2003

DOCUMENT-IDENTIFIER: US 6519571 B1
TITLE: Dynamic customer profile management

US Patent No. (1):
6519571

Detailed Description Text (2271):

Chat Capabilities in Real Time Provides public and private messages Provides
Collaborative Web touring, URL pasting Allows dynamic (public/private) room creation
Notifies users if another user is on-line Provides free form discussion area Allows
for moderated chat sessions

Detailed Description Text (2272):

Chat capabilities could be included in the content channels component of the present
invention. Note operation 2208 of FIG. 78. Such capabilities would permit
collaborative web touring and URL pasting, for such things as permitting two or more
users to simultaneously navigate the web. The invention may notify a user when
another user is online. Further, chat rooms could be dynamically created which could
restrict access to known users or could permit open public access. Moderated chat
sessions would also be allowed. Optionally, the chat capabilities could permit
posting and retrieving of public and private messages, such as on electronic
bulletin boards.



Generate Collection

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L16: Entry 4 of 7

File: USPT

Jun 4, 2002

DOCUMENT-IDENTIFIER: US 6401085 B1

TITLE: Mobile communication and computing system and method

US Patent No. (1):
6401085

Brief Summary Text (2):

The present invention relates to agent based systems and more particularly to a mobile computing environment that accesses the Internet to obtain product information for a user and provides tools for collaborative computing.



Generate Collection

Print

L16: Entry 5 of 7

File: USPT

Sep 18, 2001

DOCUMENT-IDENTIFIER: US 6292830 B1

TITLE: System for optimizing interaction among agents acting on multiple levels

US Patent No. (1):
6292830

Detailed Description Text (559):

This is just one example of the implications of the shift from a resource-based economy to a knowledge-based economy. In a resource-based economy much of industry is labor intensive, in contrast, a knowledge-based economy is knowledge intensive. Moreover, in a resource-based economy it is important to be near transportation and communication nodes and the location must be near resources that are consumed in creating products. In a knowledge-based economy, on the other hand, physical location is less important, particularly with the advent of the Internet and other forms of communication that allow collaboration on individuals in remote locations.

End of Result Set



Generate Collection

Print

L16: Entry 7 of 7

File: USPT

Jun 1, 1999

DOCUMENT-IDENTIFIER: US 5909589 A
TITLE: Internet based training

US Patent No. (1):
5909589

Detailed Description Text (6):

In addition to the Internet 50, an Intranet 60 also exists. The Intranet 60 is one variation of the Internet 50 for large organizations such as corporations and universities, which offers graphics capability and e-mail that enables collaboration as well as communication among geographically dispersed divisions. The Intranet 60 is connected to the Internet 50 via a mainframe 52. Additionally, a plurality of workstations or terminals 62 and 65 are connected to the Intranet. Thus via the Intranet 60 and the mainframe 52, the workstations or terminals 62 and 65 can access the Internet 50. The availability of Internet 50 and Intranet 60 access provides companies and large organizations the ability to distribute information more efficiently by allowing different information systems and databases to be interconnected.

End of Result Set



Generate Collection

Print

L9: Entry 2 of 2

File: USPT

Oct 17, 2000

US-PAT-NO: 6134548

DOCUMENT-IDENTIFIER: US 6134548 A

TITLE: System, method and article of manufacture for advanced mobile bargain shopping

DATE-ISSUED: October 17, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gottzman; Edward	Evanston	IL		
Brody; Adam	Chicago	IL		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
AC Properties B.V.	S'Gravenhage			NL	03

APPL-NO: 09/ 196339 [PALM]

DATE FILED: November 19, 1998

INT-CL: [07] G06 F 17/30

US-CL-ISSUED: 707/5; 707/3, 707/10, 705/26, 709/217, 709/249, 235/462, 235/472

US-CL-CURRENT: 707/5; 705/26, 707/10, 707/3, 709/217, 709/249

FIELD-OF-SEARCH: 707/3, 707/4, 707/10, 707/5, 707/7, 235/472, 235/462, 705/26, 709/249, 709/217

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	FILE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	5279882	January 1994	Daude et al.	428/192
<input type="checkbox"/>	5519608	May 1996	Kupiec	364/419.08
<input type="checkbox"/>	5606602	February 1997	Johnson et al.	379/115
<input type="checkbox"/>	5640193	June 1997	Wellner	348/7
<input type="checkbox"/>	5673322	September 1997	Pepe et al.	389/49
<input type="checkbox"/>	5721421	February 1998	VanDonkelaar	235/462
<input type="checkbox"/>	5732074	March 1998	Spaur et al.	370/313
<input type="checkbox"/>	5854624	December 1998	Grant	345/169
<input type="checkbox"/>	5913210	June 1999	Call	707/4
<input type="checkbox"/>	5938727	August 1999	Ikeda	709/218
<input type="checkbox"/>	5950173	September 1999	Perkowski	705/26
<input type="checkbox"/>	5971277	October 1999	Cragun et al.	235/462.01
<input type="checkbox"/>	5978773	November 1999	Hudetz et al.	705/23
<input type="checkbox"/>	5979757	November 1999	Tracy et al.	235/383
<input type="checkbox"/>	5992752	November 1999	Wilz, Sr. et al.	235/472.01

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0 651 531A2	May 1995	EP	
0 856 812 A2	August 1998	EP	
0883313 A2	December 1998	EP	
0890907 A1	January 1999	EP	
10177613	June 1998	JP	
10171758	June 1998	JP	
WO 97/17815	May 1997	WO	
WO/97/40451	October 1997	WO	
WO 97/45814	December 1997	WO	
WO 98/03923	January 1998	WO	
WO 98/06055	February 1998	WO	
WO 98/11744	March 1998	WO	
WO 98/12833	March 1998	WO	
WO 98/10541	March 1998	WO	
WO 98/24050	June 1998	WO	
WO 98/24036	June 1998	WO	
WO 98/39909	September 1998	WO	
WO 98/40823	September 1998	WO	
WO 98/49813	November 1998	WO	
WO 98/52371	November 1998	WO	
WO 98/58476	December 1998	WO	
WO 98/57474	December 1998	WO	
WO 99/01969	January 1999	WO	

OTHER PUBLICATIONS

Chu-Sing Yang, Kun-da Wu, Chun-Wei Tseng; Support an Efficient Connection for Mobile

IP; Proceedings, Ninth International Workshop on Database and Expert Systems Applications; Aug. 1998, IEEE, Computer Society, pp. 514-519.
 Mary Carmen Cupito; Emerging technologies: Has Their time come? Enterprise Integration; Health Management Technology; Dec. 1998, pp. 12-16.
 Toh Han Shih; Online life-line; Wired for Business; Singapore Business Times; Dec. 1998, p. 1.
 Chris Bradley; Remote and Mobile Computing With TCP/IP; Enterprise Systems Journal; Jan. 1998, pp. 38-48.
 Enhanced Services: Telecom customers will soon have one-stop, easy-to-use access to their services portfolio from anywhere, at any time, and in any way; Edge, on & about AT&T; May 1997, pp. 1-2, Anonymous.
 Bob Emmerson; The Mobile Intranet: The next generation of GSM services will offer faster data rates and smarter messaging; May 1998; Byte Magazine, pp. 1-7.
 Timo Alanko, Markku Kojo, Mika Liljeberg; Mobile access to the Internet; a mediator-based solution; Internet Research; Electronic Networking Applications and Policy vol. 9, No. 1, pp. 58-65, 1999.
 Andrezej Duda, Stephane Perret; A Network Programming Model for Mobile Applications and Information Access; Proceedings JENC7, pp. 141.1-141.9, No Date.
 Nokia, Ericsson, Unwired Planet and Motorola unite to create an open common protocol for interactive wireless applications; Jun. 26, 1997, pp. 1-3.
 Unisource in GSM trial of mobile electronic banking and shopping; Mobile Communications; Mar. 20, 1997, 1-3, Anonymous.
 Dynamic Mobile Data Announces Mobile Server Wireless Solution For Enterprise and Internet Access; Mar. 1999, pp. 1-2, Anonymous.
 Philip R. Cohen, Adam Cheyer, Michelle Wang, Soon Cheol Baeg; An Open Agent Architecture; Software Agent Papers, AAAI Spring Symposium 1994, pp. 1-129.
 Katia Sycara, Ananddeep S. Pannu; The RETSINA Multiagent System: Towards Integrating Planning, Execution and Information Gathering; Proceedings of the Second International Conference on Autonomous Agents, May 1998, pp. 350-351.

ART-UNIT: 277

PRIMARY-EXAMINER: Homere; Jean R.

ABSTRACT:

A system is disclosed that facilitates web-based comparison shopping in conventional, physical, non-web retail environments. A wireless phone or similar hand-held wireless device with Internet Protocol capability is combined with a miniature barcode reader (installed either inside the phone or on a short cable) and utilized to obtain definitive product identification by, for example, scanning a Universal Product Code (UPC) bar code from a book or other product. The wireless device transmits the definitive product identifier to a service routine (running on a Web server), which converts it to (in the case of books) its International Standard Book Number or (in the case of other products) whatever identifier is appropriate. The service routine then queries the Web to find price, shipping and availability information on the product from various Web suppliers. This information is formatted and displayed on the hand-held device's screen. The user may then use the hand-held device to place an order interactively.

17 Claims, 27 Drawing figures

End of Result Set



Generate Collection

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L2: Entry 2 of 2

File: USPT

May 4, 1999

DOCUMENT-IDENTIFIER: US 5901287 A
TITLE: Information aggregation and synthesization system

US Patent No. (1):
5901287

Detailed Description Text (24):
Browsing

Detailed Description Text (30):
Users using a user access system 100 access the information aggregation and synthesization system 200 through the Internet or other public or private network. The user either logs in by name or by pseudonym or from data previously stored in the user access system 100. New users create an account on the user profile datastore 210. Previous users are identified to an existing account. The user is presented with a variety of options to create or update profile information in the user profile datastore 210. This involves a single data entry option or many mini-options based on the browsing activity.

Detailed Description Text (31):
Browsing:

Detailed Description Text (32):
The user is also presented with browsing options based on: activity from a previous session in the browsing activity datastore 240; predeveloped software text agents and personalized software text agents (developed in the Post Session Activity) stored in the Personal Search Text Agent DataStore 232; or combinations of all as well as situational opportunities developed by the user greeting subsystem 291. The user selects the search options to be used (or simply enters search criteria directly). This search criteria is used to search the index datastore 220 and a list of data sources is presented to the user for selection. The user indicates the information to be viewed. The user will also be presented with options to refine his search through the altering of search agent criteria (Search Reduction System 293).

Detailed Description Text (36):
The user interrupt system 294 will periodically notify the user of specialized software text agents that they may want to pursue. These Agents are stored in the agent datastore 230 and are derived by the real time session analysis system 295 which monitors the browsing activity datastore 240 during the user's session.

Detailed Description Text (54):
During a session or after a user discontinues use, the data viewed (recorded in the browsing activity datastore 240) is analyzed by the session profile update 2921 and the user profile datastore 210 is updated with keywords or personal search text agent datastore 232.

Detailed Description Text (56):
Periodically, the Software Text Lead Agents stored in the lead generation agent datastore 235 are used to analyze the data viewed (recorded in the browsing activity datastore 240) and reports prepared for lead purchasers using the I/O System 280.

Detailed Description Text (81):
240 Browsing Activity DataStore

Detailed Description Text (131):
240 Browsing Activity DataStore

Detailed Description Text (136):
This is the record of ads presented by the Ad/Coupon Insertion System 296 and information about the user seeing the ads from the Browsing Activity DataStore 240 and the user profile datastore 210

Detailed Description Text (138):
When a Lead Generation Agent 235 makes a match, Data about the user from the user profile datastore 210 and the Browsing Activity DataStore 240 is stored here.

Detailed Description Text (161):
This tracks and records a user's browsing activity, sets ID tokens, establishes accounts, translates anonymous users to named users and manages the user's implicit profile information.

Detailed Description Text (163):
Uses the Browsing Activity DataStore 240 records, to analyze and update the user's profile in the user profile datastore 210

Detailed Description Text (169):
This monitors the user's browsing activity and analyzes the apparent interests to trigger the user interrupt system 294.

Detailed Description Text (195):
Accordingly, when the user clicks on a URL (or types it in a browser's search request), the user will connect to the requested site through the system 200.

Detailed Description Text (208):
Browsing patterns of the user are analyzed and these patterns update profiles automatically.

End of Result Set



Generate Collection

Print

L4: Entry 1 of 1

File: USPT

Oct 26, 1999

DOCUMENT-IDENTIFIER: US 5974446 A

TITLE: Internet based distance learning system for communicating between server and clients wherein clients communicate with each other or with teacher using different communication techniques via common user interface

US Patent No. (1):
5974446

Brief Summary Text (9):

The present invention expands the concept of distance learning to accommodate the full and now-integrated power and flexibility of the Internet. In order to create a complete and successful distance learning system, however, more is needed than just e-mail, web browsing and video conferencing. Schools need inexpensive teaching materials and resources that can easily be integrated into a traditional classroom setting. The invention enables powerful personal networking software to bring new resources to students and teachers across the country and, indeed, around the world. Imagine, for example, a student in Iowa working with students from New York, Texas and Arizona under the guidance of a professor from Harvard. They're all trying to solve a challenging problem in which each has been given a part of the solution and specialized software to help with their analysis. Rarely does any one high school, for example, have the resources to promote teamwork and problem solving on this level.

Brief Summary Text (29):

World Wide Web browsing with bookmarks for important educational web sites

Brief Summary Text (40):

Finally, the software of the invention encourages teambuilding. One of the things lacking most from high school education is teamwork. It has always been hard for teachers to explain the fine line between collaboration and cheating. Many simply ignore the benefits of learning how to work in teams in order to avoid this issue altogether. Our system puts students from diverse geographic backgrounds together into teams and then gives them challenging problems to solve together. The benefits of learning how to function as a team, coping with the problems of distance, cultural differences, and differences in capabilities, are self-evident.

Brief Summary Text (41):

The World Wide Web is a major means of communication and information dissemination. Therefore the invention, in preferred form, provides both Netscape and the Internet Explorer with its software. All forms of text can include web pages references, which when selected will call up a web browser. In addition, a list of great educational sites broken into subject are provided, these bookmarks being included with the software and will be continuously up-dated.

Brief Summary Text (58):

the software further providing on said screen pattern, a web-browsing window tuned to a topic-specific web page; and wherein, as the user logs in, the user's personal identification and information is identified in the central server file database and the user screen topic "buttons" are customized by the server to those topics of interest selected by the user and stored in said database; and, upon the user selecting a topic "button" and there-upon generating said screen pattern, searching for all stored data on that topic; and, upon the user selecting a desired communication function mode from the "tool" box section, communicating such data from the server in the appropriate user-selected communication mode over the

Internet to the user's screen.

Detailed Description Text (19):

Upon selection of a topic button, a screen pattern is generated having four sections. First, a tool bar/or bar section TB of icon buttons that enables each user of the common topic interest group selectively to activate the different primary types of communication modes including e-mail 2, multi-media presentations 4 (integrated through web-browsing), web access 6, instantaneous (jot) messaging 8, real-time communication 10, personal information gathering 12, and custom software 14 FIG. 2; and also tools 16 for controlling, moderating and configuring the system for small size, large size, or select or special groupings and ordering interaction, and tailoring other user's perception of the software. The before-mentioned common format screen pattern for all users is shown at the bottom of FIG. 2, as implemented by said software, and it assures that every user can automatically observe every other users communications by their respective selected communication mode, synchronous or asynchronous (2, 4, 6, 8, 10, etc., above discussed), and irrespective of the particular communication mode pre-selected by a user at that time.

Detailed Description Text (22):

The screen pattern also contains a message reader section MR, displaying all email messages sent by other users along their selected communication modes interested in the same selected topic. A third section for real-time text base communication display is shown at RTT. The fourth section LU lists all users who have selected the same information topic and who are on-line, enabling cross-referencing and configuring to specific of the users known to or desired by the user with the aid of the before-described moderating and configuring tools 16--controlling those who have access to storing and editing topic-specific information and who is selected for particular groups, etc. as previously described. The web-browsing window web access 6 is tuned to topic-specific web pages.

Detailed Description Text (23):

A more detailed description of the novel software programming and system processing above-described is presented in the combined block and flow diagrams of FIGS. 3A-C. As outlined in FIG. 3A, the user station software enables establishing connection over the Internet with the central server (step A), with facility for up-dating files (B) and then presentation of the log-in screen (C). The routine for a new user-server log-in and an already subscribing user validation is outlined at (D), whereupon the opening function, such as the classroom pledge of allegiance customary in US schools, is presented (E). The main screen is then presented (F), with the user-selected topics displayed as configured from the server database as previously described, with several ancillary user options including setting the web browser, requesting help, window display for searching for others of common interest or attributes, and providing facility for the user to change his or her personal information and profile material for the server database directory--all as labeled in FIG. 3A.

Other Reference Publication (3):

Tak K. Woo et al, "A Synchronous Collaboration Tool for WWW,"
<http://www.ncsa.uiuc.edu/SDG/IT94/Proceedings/CSCW/rees/SynColTol.html>, 1994.

CLAIMS:

1. A method of organizing and integrating the use of a plurality of different types of Internet information and dialog communication techniques and for each of a plurality of different informational topics stored in central file server(s) interfacing through the Internet with a plurality of widely geographically separated and independent user computer stations, that comprises, storing at such central file server(s) a database containing

(1) an index of a plurality of different informational topics, and

(2) a personal information and identification directory on all the users of the plurality of user computer stations including their specific selected informational topics of interest;

storing also at such central file server(s) the files and other detailed information pertaining to each informational topic indexed in the database, providing each user computer station with similar software that generates a common type screen at each

station containing selectable buttons for personal identification and for each different information topic selected as of interest to the user; enabling said software, upon a user selecting a topic button, for thereupon generating a screen pattern of common format for each topic containing four primary selections:

- (1) a "tool" bar section of "buttons" representing different primary communications function modes including a plurality selected from the group consisting of e-mail, multi-media presentations, web-access, instantaneous messaging, real-time communication, personal information gathering, and custom software,
- (2) a message reader section displaying all e-mail messages sent by other users interested in the same informational topic,
- (3) a real-time text base communication-chatting or dialog section, and
- (4) a list of all the users who have selected the same information topic as of interest and who are currently on-line, cross-referenceable and configurable to specific of such users already known to or desired by the user;

the software further providing on said screen pattern a web-browsing window tuned to a topic-specific web page; and wherein, as the user logs in, the user's personal identification and information is identified in the central server file database and the server customizes the user screen topic buttons to those user-selected topics of interest stored in said database; and, upon the user selecting a topic button and thereupon generating said screen pattern, the server searches for all stored data on that topic; and, upon the user selecting a topic button and thereupon generating said screen pattern, causing a search for all stored data on that topic; and upon the user selecting the desired communication function mode from the "tool" box section, communicating such stored data from the server in the appropriate user-selected communication mode over the Internet to the user screens, observable by all said users.

19. A system for organizing and integrating the use of a plurality of different types of Internet information and dialog communication techniques and for each of a plurality of different informational topics stored in central file server(s) interfacing through the Internet with a plurality of widely geographically separated and independent user computer stations, the system having, in combination, central file server means containing storage means containing

- (1) an index of a plurality of different informational topics, and
- (2) a personal information and identification directory on all the users of the plurality of user computer stations including their specific selected informational topics of interest;

means for storing also at such central file server(s) the files and other detailed information pertaining to each informational topic indexed in the database; means for connecting the server to the Internet, each user computer station being connected to the Internet and having similar software that generates a common type screen at each station containing selectable buttons for personal user identification and for each different information topic selected as of interest to the user; means for enabling said software, upon a user selecting a topic button, for thereupon generating a screen pattern of common format for each topic containing four primary selections:

- (1) a "tool" bar section of "buttons" representing different selectable primary communications function modes including a plurality selected from the group consisting of e-mail, multi-media presentations, web-access, instantaneous messaging, real-time communication, personal information gathering, and custom software,
- (2) a message reader section displaying all e-mail messages sent by other users interested in the same informational topic,
- (3) a real-time text base communication-chatting or dialog section, and
- (4) a list of all the users who have selected the same information topic as of interest and who are currently on-line, cross-referenceable and configurable to specific of such users already known to or desired by the user;

the software further providing on said screen pattern a web-browsing window tuned to a topic-specific web page; and wherein, as the user logs in, means is provided at the server for identifying the user's personal identification and information in the database and means for thereupon customizing the user screen topic buttons to present thereon those topics of selected as of interest by the user and stored in said database; and, upon the user selecting a topic button and thereupon generating said screen pattern, means for causing a search for all stored data on that topic; and upon the user selecting the desired communication function mode from the "tool" box section, means for automatically thereupon communicating such data from the server in the appropriate user-selected communication mode over the Internet to the user screens, observable by all said users.

28. The method of claim 27 wherein the different communication modes include e-mail, real time chatting, web page browsing, and off-line discussion lists.

29. The method of claim 28 wherein, for the case of a user selection of an asynchronous communication mode such as e-mail, and a communication received from another user who selected a synchronous mode such as real time chatting and web page browsing, the manner of adapting includes preparing said communication in e-mail format for the first-named user.

End of Result Set



Generate Collection

Print

L5: Entry 1 of 1

File: USPT

Oct 26, 1999

DOCUMENT-IDENTIFIER: US 5974446 A

TITLE: Internet based distance learning system for communicating between server and clients wherein clients communicate with each other or with teacher using different communication techniques via common user interface

US Patent No. (1):
5974446

Brief Summary Text (53):

storing also at such central file server(s) the files and other detailed information pertaining to each informational topic indexed in the database; providing each user computer station with similar software that generates a common type screen at each station containing selectable "buttons" for personal user identification and for each different information topic selected as of interest to the user; enabling said software, upon a user selecting a topic "button", for thereupon generating a screen pattern of common format for each topic containing four primary selections:

Brief Summary Text (58):

the software further providing on said screen pattern, a web-browsing window tuned to a topic-specific web page; and wherein, as the user logs in, the user's personal identification and information is identified in the central server file database and the user screen topic "buttons" are customized by the server to those topics of interest selected by the user and stored in said database; and, upon the user selecting a topic "button" and there--upon generating said screen pattern, searching for all stored data on that topic; and, upon the user selecting a desired communication function mode from the "tool" box section, communicating such data from the server in the appropriate user-selected communication mode over the Internet to the user screen.

Detailed Description Text (19):

Upon selection of a topic button, a screen pattern is generated having four sections. First, a tool bar/or bar section TB of icon buttons that enables each user of the common topic interest group selectively to activate the different primary types of communication modes including e-mail 2, multi-media presentations 4 (integrated through web-browsing), web access 6, instantaneous (jot) messaging 8, real-time communication 10, personal information gathering 12, and custom software 14 FIG. 2; and also tools 16 for controlling, moderating and configuring the system for small size, large size, or select or special groupings and ordering interaction, and tailoring other user's perception of the software. The before-mentioned common format screen pattern for all users is shown at the bottom of FIG. 2, as implemented by said software, and it assures that every user can automatically observe every other users communications by their respective selected communication mode, synchronous or asynchronous (2, 4, 6, 8, 10, etc., above discussed), and irrespective of the particular communication mode pre-selected by a user at that time.

Detailed Description Text (22):

The screen pattern also contains a message reader section MR, displaying all email messages sent by other users along their selected communication modes interested in the same selected topic. A third section for real-time text base communication display is shown at RTT. The fourth section LU lists all users who have selected the same information topic and who are on-line, enabling cross-referencing and configuring to specific of the users known to or desired by the user with the aid of the before-described moderating and configuring tools 16--controlling those who have

access to storing and editing topic-specific information and who is selected for particular groups, etc. as previously described. The web-browsing window web access 6 is tuned to topic-specific web pages.

CLAIMS:

1. A method of organizing and integrating the use of a plurality of different types of Internet information and dialog communication techniques and for each of a plurality of different informational topics stored in central file server(s) interfacing through the Internet with a plurality of widely geographically separated and independent user computer stations, that comprises, storing at such central file server(s) a database containing

- (1) an index of a plurality of different informational topics, and
- (2) a personal information and identification directory on all the users of the plurality of user computer stations including their specific selected informational topics of interest;

storing also at such central file server(s) the files and other detailed information pertaining to each informational topic indexed in the database, providing each user computer station with similar software that generates a common type screen at each station containing selectable buttons for personal user identification and for each different information topic selected as of interest to the user; enabling said software, upon a user selecting a topic button, for thereupon generating a screen pattern of common format for each topic containing four primary selections:

- (1) a "tool" bar section of "buttons" representing different primary communications function modes including a plurality selected from the group consisting of e-mail, multi-media presentations, web-access, instantaneous messaging, real-time communication, personal information gathering, and custom software,
- (2) a message reader section displaying all e-mail messages sent by other users interested in the same informational topic,
- (3) a real-time text base communication-chatting or dialog section, and
- (4) a list of all the users who have selected the same information topic as of interest and who are currently on-line, cross-referenceable and configurable to specific of such users already known to or desired by the user;

the software further providing on said screen pattern a web-browsing window tuned to a topic-specific web page; and wherein, as the user logs in, the user's personal identification and information is identified in the central server file database and the server customizes the user screen topic buttons to those user-selected topics of interest stored in said database; and, upon the user selecting a topic button and thereupon generating said screen pattern, the server searches for all stored data on that topic; and, upon the user selecting a topic button and thereupon generating said screen pattern, causing a search for all stored data on that topic; and upon the user selecting the desired communication function mode from the "tool" box section, communicating such stored data from the server in the appropriate user-selected communication mode over the Internet to the user screens, observable by all said users.

19. A system for organizing and integrating the use of a plurality of different types of Internet information and dialog communication techniques and for each of a plurality of different informational topics stored in central file server(s) interfacing through the Internet with a plurality of widely geographically separated and independent user computer stations, the system having, in combination, central file server means containing storage means containing

- (1) an index of a plurality of different informational topics, and
- (2) a personal information and identification directory on all the users of the plurality of user computer stations including their specific selected informational topics of interest;

means for storing also at such central file server(s) the files and other detailed information pertaining to each informational topic indexed in the database; means

for connecting the server to the Internet, each user computer station being connected to the Internet and having similar software that generates a common type screen at each station containing selectable buttons for personal user identification and for each different information topic selected as of interest to the user; means for enabling said software, upon a user selecting a topic button, for thereupon generating a screen pattern of common format for each topic containing four primary selections:

(1) a "tool" bar section of "buttons" representing different selectable primary communications function modes including a plurality selected from the group consisting of e-mail, multi-media presentations, web-access, instantaneous messaging, real-time communication, personal information gathering, and custom software,

(2) a message reader section displaying all e-mail messages sent by other users interested in the same informational topic,

(3) a real-time text base communication-chatting or dialog section, and

(4) a list of all the users who have selected the same information topic as of interest and who are currently on-line, cross-referenceable and configurable to specific of such users already known to or desired by the user;

the software further providing on said screen pattern a web-browsing window tuned to a topic-specific web page; and wherein, as the user logs in, means is provided at the server for identifying the user's personal identification and information in the database and means for thereupon customizing the user screen topic buttons to present thereon those topics of selected as of interest by the user and stored in said database; and, upon the user selecting a topic button and thereupon generating said screen pattern, means for causing a search for all stored data on that topic; and upon the user selecting the desired communication function mode from the "tool" box section, means for automatically thereupon communicating such data from the server in the appropriate user-selected communication mode over the Internet to the user screens, observable by all said users.



Generate Collection

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L16: Entry 1 of 7

File: USPT

Mar 18, 2003

DOCUMENT-IDENTIFIER: US 6536037 B1

TITLE: Identification of redundancies and omissions among components of a web based architecture

US Patent No. (1):6536037Detailed Description Text (2270):

Chat Capabilities in Real Time Provides public and private messages Provides
Collaborative Web touring, URL pasting Allows dynamic (public/private) room creation
Notifies users if another user is on-line Provides free form discussion area Allows
for moderated chat sessions

Detailed Description Text (2271):

Chat capabilities could be included in the content channels component of the present
invention. Note operation 2208 of FIG. 78. Such capabilities would permit
collaborative web touring and URL pasting, for such things as permitting two or more
users to simultaneously navigate the web. The invention may notify a user when
another user is online. Further, chat rooms could be dynamically created which could
restrict access to known users or could permit open public access. Moderated chat
sessions would also be allowed. Optionally, the chat capabilities could permit
posting and retrieving of public and private messages, such as on electronic
bulletin boards.